

00/20884

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

REVISED VERSION

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
4 May 2000 (04.05.2000)

PCT

(10) International Publication Number  
WO 00/24360 A3(51) International Patent Classification<sup>7</sup>: A23D 7/00, 9/00

(21) International Application Number: PCT/IL99/00564

(22) International Filing Date: 25 October 1999 (25.10.1999)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
126741 25 October 1998 (25.10.1998) IL(71) Applicant (for all designated States except US):  
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22/44 Hatikva Street, 75220 Rishon Lezion (IL).(74) Agent: FRIEDMAN, Mark, M.; Beit Samueloff, Hao-  
manim Street 7, 67897 Tel Aviv (IL).(81) Designated States (national): AE, AL, AM, AT, AU, AZ,  
BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,  
DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,  
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,  
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
UG, US, UZ, VN, YU, ZA, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent  
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent  
(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,  
MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

(88) Date of publication of the international search report:  
10 August 2000  
Date of publication of the revised international search  
report:  
18 January 2001(15) Information about Correction:  
see PCT Gazette No. 03/2001 of 18 January 2001, Section  
II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREPARATION AND USE OF SOLIDIFIED OILS

(57) Abstract: A method of solidifying liquid oils is disclosed. The method is effected by (a) mixing at least one liquid oil and at least one solid fat, thereby forming a mixture of the at least one liquid oil and the at least one solid fat; and (b) transforming the mixture into a homogeneous consistency. Further disclosed are compositions of matter having a semi-solid texture including at least one liquid oil and at least one solid fat and uses thereof in therapy and cosmetic applications.

T02T20 15000000



WO 00/24360 A3

REVISED  
VERSION

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL99/00564

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :A23D 7/00, 9/00

US CL :426/607

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 426/607

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN: USPATFULL, CAPLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,624,703 A (PERLMAN et al.) 29 April 1997 (29.04.97), see abstract, claims, column 1, lines 53-64, column 2, lines 17-18, column 3, lines 10-22, 29-30, 34-40, Example 5.	1-4, 9, 13, 15-17, 21, 25, 37-39, 43, 47, 49-51, 55, 59
Y	WO 89/07893 (LANE et al.) 08 September 1989 (08.09.89), see abstract, claims, page 3, lines 3-4, examples.	10, 22, 34, 44, 56
Y	US 4,973,489 A (MEYER et al.) 27 November 1990 (27.11.90), see abstract, claims, column 2, lines 14-18, 50-62, column 3, lines 54-63.	11, 12, 23, 24, 35, 36, 45, 46, 57, 58
Y	US 4,789,664 A (SELIGSON et al.) 06 December 1988 (06.12.88), see abstract, column 9, lines 8-21, column 11, lines 14-25.	14, 26-36, 48, 60.

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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*O* document referring to an oral disclosure, use, exhibition or other means	
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

22 AUGUST 2000

Date of mailing of the international search report

14 NOV 2000

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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>A61K</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 00/24360</b> <b>(43) International Publication Date:</b> 4 May 2000 (04.05.00)
<b>(21) International Application Number:</b> PCT/IL99/00564 <b>(22) International Filing Date:</b> 25 October 1999 (25.10.99) <b>(30) Priority Data:</b> 126741 ✓ 25 October 1998 (25.10.98) IL <b>(71) Applicant (for all designated States except US):</b> YAMEGA LTD. [IL/IL]; 22/44 Hatikva Street, 75220 Rishon Lezion (IL). <b>(72) Inventor; and</b> <b>(75) Inventor/Applicant (for US only):</b> YAM, Daniel [IL/IL]; 22/44 Hatikva Street, 75220 Rishon Lezion (IL). <b>(74) Agent:</b> FRIEDMAN, Mark, M.; Beit Samueloff, Haomanim Street 7, 67897 Tel Aviv (IL).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> PREPARATION AND USE OF SOLIDIFIED OILS  <b>(57) Abstract</b>  A method of solidifying liquid oils is disclosed. The method is effected by (a) mixing at least one liquid oil and at least one solid fat, thereby forming a mixture of the at least one liquid oil and the at least one solid fat; and (b) transforming the mixture into a homogeneous consistency. Further disclosed are compositions of matter having a semi-solid texture including at least one liquid oil and at least one solid fat and uses thereof in therapy and cosmetic applications.		

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<b>(51) International Patent Classification <sup>7</sup> :</b> <b>A23D 7/00, 9/00</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 00/24360</b> <b>(43) International Publication Date:</b> 4 May 2000 (04.05.00)
<b>(21) International Application Number:</b> PCT/IL99/00564 <b>(22) International Filing Date:</b> 25 October 1999 (25.10.99) <b>(30) Priority Data:</b> 126741 25 October 1998 (25.10.98) IL <b>(71) Applicant (for all designated States except US):</b> YAMEGA LTD. [IL/IL]; 22/44 Hatikva Street, 75220 Rishon Lezion (IL). <b>(72) Inventor; and</b> <b>(75) Inventor/Applicant (for US only):</b> YAM, Daniel [IL/IL]; 22/44 Hatikva Street, 75220 Rishon Lezion (IL). <b>(74) Agent:</b> FRIEDMAN, Mark, M.; Beit Samueloff, Haomanim Street 7, 67897 Tel Aviv (IL).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>  <b>(88) Date of publication of the international search report:</b> 10 August 2000 (10.08.00)
<b>(54) Title:</b> PREPARATION AND USE OF SOLIDIFIED OILS  <b>(57) Abstract</b>  A method of solidifying liquid oils is disclosed. The method is effected by (a) mixing at least one liquid oil and at least one solid fat, thereby forming a mixture of the at least one liquid oil and the at least one solid fat; and (b) transforming the mixture into a homogeneous consistency. Further disclosed are compositions of matter having a semi-solid texture including at least one liquid oil and at least one solid fat and uses thereof in therapy and cosmetic applications.		

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL99/00564

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A23D 7/00, 9/00

US CL : 426/607

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 426/607

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN, USPATFULL, CAPLUS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,624,703 A (PERLMAN et al) 29 April 1997(29.04.97), see claims, column 3, lines 15-22 and column 15, lines 39-42.	1, 2, 9, 13-15, 17, 21, 25, 26
Y	US 5,667,837 A (BROOMHEAD et al) 16 September 1997(16.09.97), see abstract, column 3, lines 10-20, column 4, lines 26-28, column 5, lines 8-10, and claims.	15, 17-21, 25-26, 30-33

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the international search report

Name and mailing address of the ISA/US  
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Washington, D.C. 20231

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Authorized officer

ALYSIA BERMAN

Telephone No. (703)308-0196

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/...9/00564

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-36

Remark on Protest

☐  
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.



**BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING:** This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s) 1-36, drawn to a composition and method of making a composition.

Group II, claim(s) 37-48, drawn to a method of using a liquid oil for nutritional supplementation, cosmetic treatment, food additive, medical treatment, medical prophylaxis, and cosmetic prophylaxis.

Group III, claim(s) 49-60, drawn to a method of using a liquid oil for the prevention or treatment of a medical condition.

The inventions listed as Groups I, II, and III do not relate to a single inventive concept under PCT Rule 13.2 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: a mixture of a liquid oil and a solid fat is known in the art.